

**IN THE DRAWINGS:**

Please amend Figure 1 as illustrated in red on the attached photocopy.

**IN THE CLAIMS:**

Please cancel claim 1 without prejudice to or disclaimer of the subject matter recited therein.

Please add new claim 2 as follows:

**LISTING OF CURRENT CLAIMS**

Claim 1. (Canceled)

Claim 2. (New) A method of using a bipolar junction transistor as a self-oscillating down converter of a satellite down converter, which comprises the steps of:

- a) providing a circuit having at least one receiver and an output port;
- 5      b) inserting the bipolar junction transistor, a low-noise amplifier, and an intermediate frequency amplifier between the at least one receiver and the output port;
- c) positioning the bipolar junction transistor between the low-noise amplifier and the intermediate frequency amplifier; and
- 10      d) utilizing the bipolar junction transistor as a local oscillator and a mixer.